

## A GROUP ACTION ON PICTURE FUZZY SOFT G-MODULES

S. V. Manemaran<sup>1</sup> & R. Nagaraja<sup>2</sup>

<sup>1</sup>Professor, Department of Science and Humanities, Sri Ranganathar Institute of Engineering and Technology,  
Athipalayam, Coimbatore, Tamil Nadu, India

<sup>2</sup>Professor, Department of Science and Humanities, J J College of Engineering and Technology, Tiruchirappalli,  
Tamil Nadu, India

### ABSTRACT

The target of this study is to observe some of the algebraic structures of a picture uncertainty soft set. So, in this paper we introduce the idea of a picture uncertainty soft  $G$ -module for a given classical module and investigate some of the crucial properties as well as properties of the expected concept. The ideas of  $G$ -invariant picture uncertainty soft  $G$ -modules are also discussed.

**KEYWORDS:** Group Action, Classical  $G$ -Modules, Fuzzy Set, Soft Set, Picture Fuzzy Uncertainty Soft  $G$ -Modules,  $G$ -Invariant, Cartesian Product and Intersection

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